

ABSTRACT

An object of the present invention is to provide a method for preparing 2-deoxyaldoses on industrial scale in which the yield or the volumetric efficiency is excellent and the operation is simple, as compared to the conventionally known preparation method.

A compound represented by the general formula (1) such as 2-keto-3-deoxygluconic acid or the like is reduced by the catalytic hydrogenation method using a metal such as palladium or the like, or a compound represented by the general formula (1) such as 2-keto-3-deoxygluconic acid or the like is reduced by using a hydride reducing agent in a solvent of not more than 30 weight times the amount of the above compound, for synthesizing 2-keto-3-deoxyaldonic acid. The 2-keto-deoxyaldonic acid was decarboxylated to obtain 2-deoxyaldoses.

The method of the present invention is economical and efficiently excellent.